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NPIC/R-164/63

July 1963

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II
MISSION 9057
19-22 JULY 1963



CIA



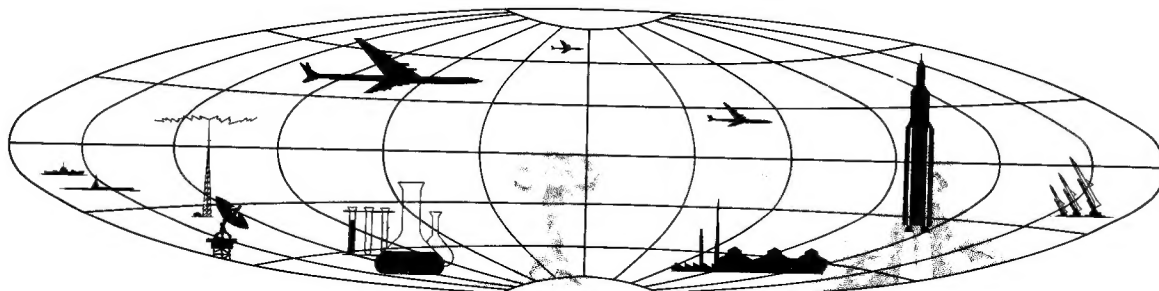
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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NPIC/R-164/63

OAK - PART II

MISSION 9057

PREFACE

THIS IS THE SECOND OF AN ESTIMATED THREE DAILY OAK REPORTS BASED ON MISSION 9057 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 26 JULY TO 1500 27 JULY 1963, PRESENTS INFORMATION ONLY ON THOSE TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED OR NOT COVERED BY MISSION 9057 WILL BE LISTED IN THE FINAL OAK REPORT ON THIS MISSION.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS KH-4 (1) APR 62. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), D (DARKNESS), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 9057 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

25X1D

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~~TOP SECRET CHESSE RUFF~~

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HIGHLIGHTS

1. DROVYANAYA ICBM LAUNCH COMPLEX (COMOR [REDACTED] 25X1A
LAUNCH AREA E, A PROBABLE TYPE III SITE, HAS BEEN NEWLY
IDENTIFIED AT 51-22N 112-50E, 11 NM SW OF THE COMPLEX SUPPORT
FACILITY.
- 25X1D 2. ITATKA ICBM LAUNCH COMPLEX (COMOR [REDACTED] 25X1A
25X1D A NEW LAUNCH AREA (C) IN MID-STAGE OF CONSTRUCTION HAS BEEN
25X1D IDENTIFIED AT 56-53-[REDACTED] 085-39-[REDACTED] IN THE AREA OF CONSTRUCTION
ACTIVITY REPORTED IN OAK [REDACTED]
3. KARA-BABAU HARD IRBM LAUNCH SITE (COMOR [REDACTED] 25X1A
A SECOND HARDENED IRBM LAUNCH AREA HAS BEEN IDENTIFIED IN THE
SARY OZEK IRBM LAUNCH COMPLEX AT 44-31-[REDACTED] 077-43-[REDACTED] 25X1D
- 25X1D 4. RUSKI MRBM LAUNCH SITE (COMOR [REDACTED] 25X1A
A NEWLY IDENTIFIED, COMPLETED, HARDENED MRBM/IRBM IS LOCATED IN
THE ALUKSNE LAUNCH COMPLEX 2.7 NM NNE OF MORKALNI AT 57-13-[REDACTED] 25X1D
026-33-[REDACTED]

SUBMARINE SUMMARY

THE FOLLOWING IS A COMPILATION OF SUBMARINES OBSERVED DURING
THE OAK REPORTING PERIOD.

LOCATION	FIRM	PROBABLE	POSSIBLE	TOTAL
KRONSHADT	8	1	1	10

(CORRECTION TO NPIC/R-163/63, OAK PART I. FOLLOWING THE SUBMARINE
SUMMARY ON PAGE 3, PLEASE CHANGE THE NOTE REGARDING KOMSOMOLSK
AND SEVERODVINSK AS FOLLOWS --
NO VESSELS WERE IDENTIFIED AT EITHER KOMSOMOLSK OR SEVERODVINSK
BECAUSE OF CLOUD COVER OR HAZE.)

STATUS OF COMOR TARGET READOUT

SEVENTY-ONE COMOR TARGETS WERE OBSERVED IN THE CURRENT
REPORTING PERIOD.

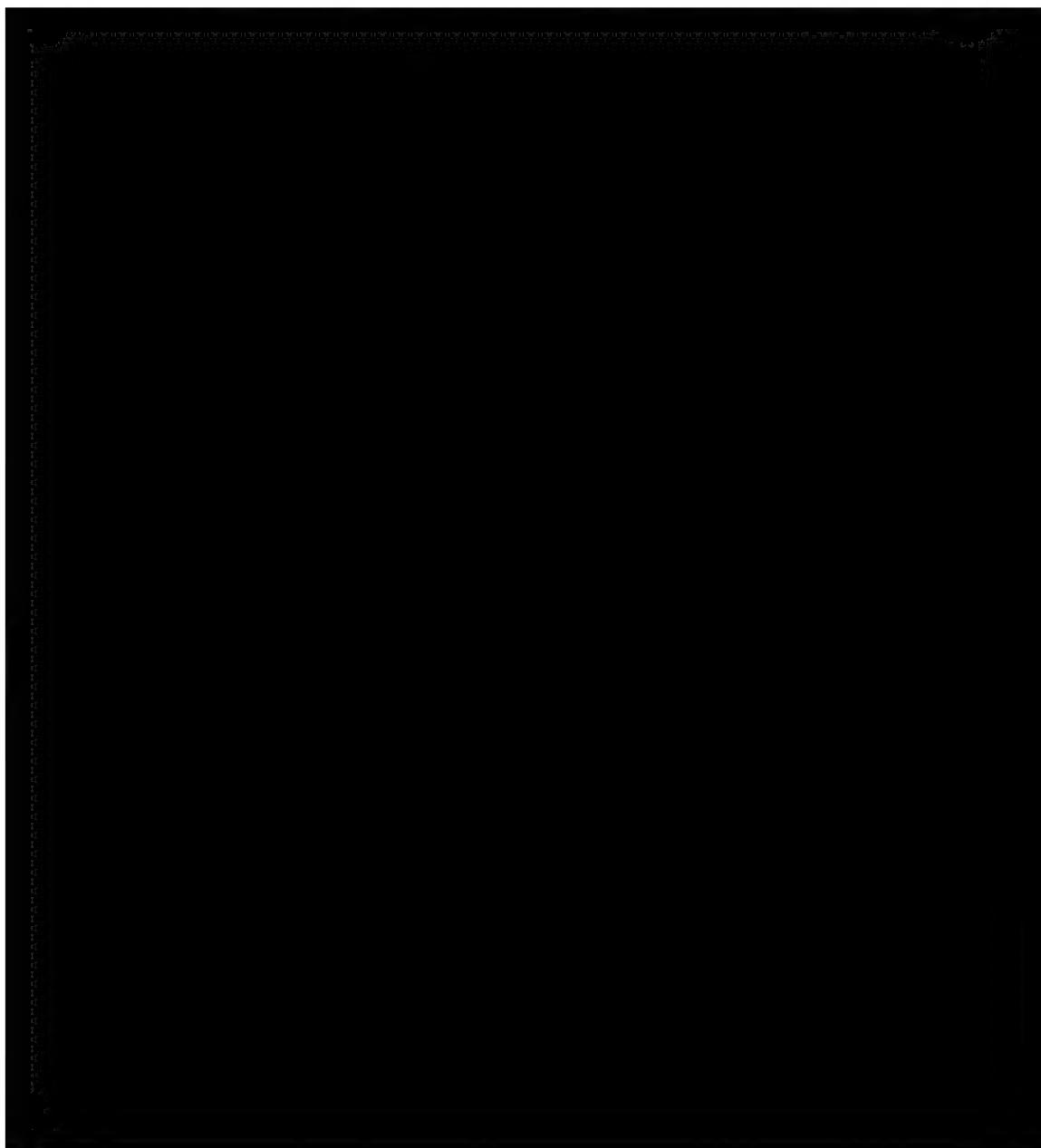
MISSILES

25X2


~~TOP SECRET CHESSE RUFF~~

~~TOP SECRET~~ ~~CHESS~~ ~~RUFF~~


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25X2

 DROVYANAYA ICBM LAUNCH COMPLEX 5132N 11301E

25X1A

A NEW LAUNCH AREA (E) AT 51-22N 112-50E, A PROBABLE TYPE III SITE, HAS BEEN NEWLY IDENTIFIED AT THIS COMPLEX. IT IS LOCATED ON THE WEST SIDE OF THE COMPLEX MAIN ROAD, 11 NM SW OF THE COMPLEX SUPPORT FACILITY. NO EVIDENCE OF THIS LAUNCH AREA WAS OBSERVED ON MISSION  ON MISSION 25X1D

~~TOP SECRET~~ ~~CHESS~~ ~~RUFF~~

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25X1D [REDACTED] THE ACCESS ROAD WAS PRESENT BUT ITS TERMINUS WAS NOT COVERED BY THE PHOTOGRAPHY.

LAUNCH SITE A IS NOW COMPLETED.

LAUNCH SITE B IS STILL IN A MID-STAGE OF CONSTRUCTION. THREE SILOS, 2 EQUIPMENT BUNKERS, AND THE CONTROL BUNKER ARE VISIBLE IN THE EXCAVATION. THE CONTROL BUNKER IS ON THE NORTH SIDE. ORIENTATION OF THE SITE IS APPROXIMATELY 170/350 DEGREES.

AN UNIDENTIFIED SECURED AREA IS PRESENT ON THE NORTH SIDE OF THE ACCESS ROAD 2 NM WEST OF LAUNCH AREA B. IT IS SIMILAR TO THE SECURED AREAS APPARENTLY RELATED TO THE TYPE III SITES AT YURYA AND SHADRINSK. THIS FACILITY WAS NOT PRESENT ON MISSION [REDACTED] IT FIRST APPEARED ON [REDACTED]

25X1D
25X1D

LAUNCH AREA C IS IN A LATE STAGE OF CONSTRUCTION AND LAUNCH AREA D IS IN A MID-STAGE OF CONSTRUCTION.

NEW CONSTRUCTION CONSISTING OF A RAIL SPUR WITH 2 SIDINGS AND SOME GRADING ACTIVITY IS APPARENT 1.75 NM NORTH OF THE COMPLEX SUPPORT FACILITY.

NO APPARENT CHANGE OBSERVED IN THE COMPLEX SUPPORT FACILITY AND THE TRANSFER POINT.

(SEE ATTACHMENTS 1-5)

25X1D PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED] ARE AS FOLLOWS --

SUPPORT FACILITY [REDACTED] 25X1D 25X1D

25X1D NEW CONSTRUCTION NORTH OF SUPPORT FACILITY [REDACTED]

LAUNCH AREA E [REDACTED] 25X1D

UNIDENTIFIED SECURED AREA [REDACTED] 25X1D

25X1D [REDACTED]

25X1A [REDACTED] KOSTROMA ICBM LAUNCH COMPLEX 5750N 04115E

THE COMPLEX IS ALMOST ENTIRELY COVERED BY HEAVY CLOUDS AND HAZE. ONLY THE COMPLEX SUPPORT FACILITY AND PART OF LAUNCH SITE F ARE VISIBLE. THE COMPLEX SUPPORT FACILITY SHOWS NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D [REDACTED] A PORTION OF THE LOOP ROAD SYSTEM, A [REDACTED] 25X1D

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MISSILE READY BUILDING, THE PLUS CONFIGURATION, AND THE SUPPORT AREA ARE VISIBLE AT LAUNCH AREA F. THIS SITE IS A TYPE II MOD C. CONSTRUCTION STATUS IS NOT DETERMINED BECAUSE OF CLOUD COVER.

25X1D PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON
[REDACTED] ARE AS FOLLOWS --
COMPLEX SUPPORT FACILITY [REDACTED] 25X1D
LAUNCH AREA F [REDACTED] 25X1D

25X1D

25X1A

[REDACTED] ITATKA ICBM LAUNCH COMPLEX 5650N 08536E

25X1D A NEW LAUNCH AREA (C) IN A MID-STAGE OF CONSTRUCTION
HAS BEEN IDENTIFIED AT 56-53 [REDACTED] 085-39 [REDACTED] IN THE
AREA OF CONSTRUCTION ACTIVITY REPORTED IN THE OAK FOR
MISSION [REDACTED] THIS TYPE II C LAUNCH SITE
IS APPROXIMATELY 4 NM NNE OF THE COMPLEX SUPPORT
FACILITY. LAUNCH AREAS A AND B ARE BOTH COMPLETE AND
AN UNIDENTIFIED OBJECT APPARENTLY IS PROTRUDING FROM
THE FRONT OF THE EASTERN READY BUILDING AT LAUNCH
AREA B. NO APPARENT CHANGE IN THE COMPLEX SUPPORT
FACILITY OR RAIL-TO-ROAD TRANSFER POINT SINCE MISSION

25X1D

25X1D

25X1D

25X1D PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON
[REDACTED] ARE AS FOLLOWS --
LAUNCH SITE A [REDACTED] 25X1D
LAUNCH SITE B [REDACTED]
LAUNCH SITE C [REDACTED]
COMPLEX SUPPORT FACILITY [REDACTED] 25X1D

25X1D

25X1A

[REDACTED] TEYKOVO ICBM LAUNCH COMPLEX 5652N 04035E

THE ENTIRE COMPLEX IS CLOUD-COVERED WITH THE
EXCEPTION OF A PORTION OF LAUNCH AREA C. HAZE AND
SCATTERED CLOUDS PRECLUDE DETAILED INTERPRETATION.

25X1D

TOP SECRET CHES RUFF

25X1A

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[REDACTED] TYUMEN ICBM LAUNCH COMPLEX 5652N 06553E

LAUNCH AREA B APPEARS TO BE INACTIVE. NO EVIDENCE OF CONSTRUCTION IN PROGRESS, OR RECENT CONSTRUCTION CAN BE FOUND AT LAUNCH AREA B. CONSTRUCTION CONTINUES AT LAUNCH AREAS A AND C. NO SIGNIFICANT CHANGE SINCE [REDACTED] IN REST OF COMPLEX.

25X1D

25X1D PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED] ARE AS FOLLOWS --

LAUNCH AREA A
LAUNCH AREA B
LAUNCH AREA C
LAUNCH AREA D

25X1D

COMPLEX SUPPORT FACILITY
RAIL-TO-ROAD TRANSFER POINT

25X1D

25X1D

25X1D

25X1A

[REDACTED] GLADKAYA ICBM LAUNCH COMPLEX 5605N 09213E

FURTHER ANALYSIS OF THE GLADKAYA ICBM COMPLEX (SEE OAK PART I) SHOWS THAT LAUNCH AREA C WAS UNDER CONSTRUCTION AS EARLY AS [REDACTED] THIS WAS REPORTED IN THE OAK FOR [REDACTED] AS ROAD CONSTRUCTION.

25X1D

25X1D

25X1A

[REDACTED] KOVYLKINO SUSPECT ICBM AREA 5402N 04356E

NO SSM ACTIVITY OBSERVED IN THE CLOUD-FREE AREAS WITHIN A 30-NM RADIUS OF KOVYLKINO.

25X1D

25X1A

[REDACTED] GVARDEYSK MRBM LAUNCH SITE 2 5445N 02109E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED. SCATTERED CLOUDS THROUGHOUT AREA PRECLUDE NEGATION.

25X1D

TOP SECRET CHES RUFF

25X1A

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[REDACTED] KIVERTSY MRBM LAUNCH SITE 1 5052N 02530E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED IN SEARCH AREA.
SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D
25X1A

[REDACTED] ZNAMENSK MRBM LAUNCH SITE 1 5433N 02111E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED. SCATTERED
CLOUDS PRECLUDE NEGATION OF AREA.

25X1D
25X1A

[REDACTED] GUSEV MRBM LAUNCH SITE 1 5441N 02205E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED.
SCATTERED CLOUDS PRECLUDE A THOROUGH SEARCH OF AREA.

25X1D
25X1A

[REDACTED] BORKHOV MRBM LAUNCH SITE 1 5218N 03043E

NO NEW MRBM/IRBM ACTIVITY OBSERVED IN CLOUD-FREE
PORTION OF SEARCH AREA.

25X1D
25X1A

[REDACTED] RUSKI MRBM LAUNCH SITE 5725N 02650E

RUSKI MRBM LAUNCH SITE APPEARS TO BE COMPLETED.
A NEWLY IDENTIFIED, COMPLETED, HARDENED MRBM/IRBM
LAUNCH SITE IS LOCATED IN THE ALUKSNE LAUNCH COMPLEX,
2.7 NM NNE OF MORKALNI AND 3.8 NM SSW OF LEJASCIEMS AT
57-13- [REDACTED] 026-33- [REDACTED] AREA CONSISTS OF HARDENED
LAUNCH SITE WITH 2 LAUNCH SILOS, A PROBABLE PORTAL
SILO AND AN UNIDENTIFIED STRUCTURE IN SW CORNER OF THE
LAUNCH SITE. SUPPORT AREA CONTAINING AT LEAST 17
BUILDINGS IS LOCATED ALONG THE ACCESS ROAD JUST WEST
OF LAUNCH SITE.

25X1D

TOP SECRET CRESS RUFF

25X1A

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[REDACTED] VORU MRBM LAUNCH SITE 2 5749N 02650E

LAUNCH SITE IS COMPLETED.
NO HARDENED MRBM/IRBM OBSERVED IN CLOUD-FREE AREAS
WITHIN A 25-NM RADIUS OF VORU MRBM LAUNCH SITE 2.
CLOUDS PRECLUDE NEGATION OF AREA.

25X1D

25X1A

[REDACTED] VEPRIAI MRBM LAUNCH SITE 5508N 02438E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED. CLOUD COVER
THROUGHOUT AREA PRECLUDES NEGATION.

25X1D

25X1A

[REDACTED] SIMUNA MRBM LAUNCH SITE 5908N 02626E

NO HARDENED MRBM/IRBM LAUNCH SITES OBSERVED IN CLOUD-
FREE AREAS WITHIN A 25-NM RADIUS OF SIMUNA MRBM
LAUNCH AREA. QUALITY OF PHOTOGRAPHY PRECLUDES
NEGATION OF AREA.

25X1D

25X1A

[REDACTED] KROLEVETS IRBM LAUNCH SITE 1 5136N 03328E

NO NEW MRBM/IRBM ACTIVITY OBSERVED IN CLOUD-FREE
PORTIONS OF SEARCH AREA.

25X1D

25X1A

[REDACTED] TAPA SUSPECT MISSILE AREA 5916N 02558E

NO SSM ACTIVITY OBSERVED IN THE EASTERN THIRD OF THE
SEARCH AREA OTHER THAN THE RAKVERE MRBM COMPLEX.
AREA IS 70 PERCENT CLOUD-COVERED.

25X1D

TOP SECRET CRESS RUFF

25X1A

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[REDACTED] KARA-BABAU HARD IRBM LAUNCH SITE 4431N 07758E

25X1D

A SECOND HARDENED IRBM LAUNCH AREA HAS BEEN IDENTIFIED IN THE SARY-OZEK IRBM LAUNCH COMPLEX AT 44-31-[REDACTED] 077-43-[REDACTED] 3 NM WSW OF LAUNCH AREA 1, 7.5 NM NNW OF KARA-BABAU, AND 14.4 NM NW OF SARY-OZEK. THE LAUNCH SITE IS IN A MID-STAGE OF CONSTRUCTION AND CONTAINS A CONTROL BUNKER, TWO LAUNCH POSITIONS 225 FT APART AND A PROBABLE PORTAL SILO LOCATED 260 FT NORTH OF THE EASTERN LAUNCH POSITION. THE MAIN ACCESS ROAD IS NOT YET APPARENT, HOWEVER, THE POSITIONING OF THE LAUNCH COMPONENTS INDICATES THAT THE ORIENTATION OF THE LAUNCH SITE IS TO THE SOUTH. A SITE SUPPORT FACILITY CONTAINING AT LEAST 12 BUILDINGS IS LOCATED APPROXIMATELY 5,000 FT TO THE EAST.

25X1D

THE LAUNCH COMPLEX IS NOW COMPOSED OF ONE SOFT IRBM LAUNCH AREA AND 2 HARDENED IRBM LAUNCH AREAS. THE PREVIOUSLY IDENTIFIED POSSIBLE HARDENED IRBM LAUNCH AREA (KARA-BABAU LAUNCH SITE 2) IS NOW CONFIRMED AS A COMPLETED, HARDENED IRBM LAUNCH AREA.

(SEE ATTACHMENTS 6-8)

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED] ARE AS FOLLOWS --

LAUNCH AREA 1 (KARA-BABAU 1) [REDACTED]
LAUNCH AREA 2 (KARA-BABAU 2) [REDACTED]
NEW LAUNCH AREA 3 (KARA-BABAU 3) [REDACTED]
(16.6-1.6)

25X1D

25X1D

25X1D

25X1A

[REDACTED] BREST MRBM LAUNCH SITE 1 5149N 02401E

NO HARDENED SSM ACTIVITY PRESENT IN SEARCH AREA.

25X1D

25X1A

[REDACTED] LEJASCIEMS MRBM LAUNCH SITE 5721N 02644E

SITE APPEARS TO BE COMPLETED.

25X1D

~~TOP SECRET CYCROSS RUFF~~

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25X1A

[REDACTED] MARIJAMPOLE, SUSPECT MRBM AREA 5433N 02321E

NO SSM ACTIVITY IDENTIFIED IN SEARCH AREA. ENTIRE AREA IS COVERED BY SCATTERED CLOUDS.

25X1D

25X1A

[REDACTED] ROGAS, SUSPECT MRBM SITE 5654N 02440E

NO SSM ACTIVITY NOTED IN CLOUD-FREE PORTIONS OF SEARCH AREA. ONLY WESTERN PORTION OF SEARCH AREA COVERED BY PHOTOGRAPHY.

25X1D

25X1A

[REDACTED] TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 1 6828N 03315E

LAUNCH SITE APPEARS COMPLETED. NEW, UNIDENTIFIED CONSTRUCTION AREA EAST OF LAUNCH SITE CONTAINS 2 NEW ROADS.

25X1D

25X2

~~TOP SECRET CYCROSS RUFF~~

TOP SECRET CYES RUFF

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25X1A

[REDACTED] TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 2 6830N 03323E

NO APPARENT CHANGE SINCE MISSION
LAUNCH SITE APPEARS COMPLETED.

25X1D

25X1D

25X1A

[REDACTED] VLADIMIR VOLYNSKIY HARDENED MRBM/IRBM SITE 5048N 02442E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED IN SEARCH AREA.
SCATTERED CLOUDS PRECLUDE NEGATION.

25X1D

25X1A

[REDACTED] GURELOVO HARDENED MRBM/IRBM LAUNCH SITE 5925N 02852E

SITE APPEARS TO BE IN A LATE STAGE OF CONSTRUCTION OR
COMPLETE.

NO ADDITIONAL MRBM/IRBM ACTIVITY PRESENT IN SEARCH
AREA.

25X1D

25X1A

[REDACTED] OTYNYA HARDENED MRBM/IRBM LAUNCH SITE 4847N 02450E

SITE APPEARS TO BE COMPLETED.
NO ADDITIONAL SSM SITES IDENTIFIED IN CLOUD-FREE
PORTIONS OF SEARCH AREA.

25X1D

25X1A

[REDACTED] BRODY HARDENED MRBM/IRBM LAUNCH SITE 5006N 02512E

NO ADDITIONAL SSM ACTIVITY IDENTIFIED IN CLOUD-FREE
PORTIONS OF SEARCH AREA.

25X1D

25X1A

[REDACTED] JABAL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT) 3007N 03037E

NO APPARENT CHANGE SINCE MISSION

25X1D

25X1D

TOP SECRET CYES RUFF

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25X1A

██████████ REDKINO HARDENED MRBM/IRBM LAUNCH SITE 5724N 02826E
SITE IS IN MID-STAGE OF CONSTRUCTION.
NO NEW MRBM/IRBM ACTIVITY OBSERVED IN CLOUD-FREE
PORTIONS OF SEARCH AREA.

25X1D

25X1A

██████████ TAYBOLA HARDENED MRBM/IRBM LAUNCH SITE 3 6825N 03329E
LAUNCH SITE APPEARS TO BE IN LATE STAGE OF
CONSTRUCTION. SILOS APPEAR TO BE BACKFILLED, BUT
SILO COVERS ARE NOT DISCERNIBLE.
NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS
OF TAYBOLA LAUNCH AREA 3.

25X1D

25X1A

██████████ TSIRGULIINA HARDENED MRBM/IRBM LAUNCH SITE 5749N 02612E
LAUNCH AREA APPEARS COMPLETED.
NO NEW HARDENED MRBM/IRBM ACTIVITY OBSERVED IN
CLOUD-FREE AREAS. SCATTERED CLOUDS PRECLUDE
NEGATION OF AREA.

25X1D

25X1A

██████████ SEMENOVKA HARDENED MRBM/IRBM LAUNCH SITE 2 4753N 03057E
HAZE AND SCATTERED CLOUDS PRECLUDE INTERPRETATION OF
CONSTRUCTION STATUS.

25X1D

25X1A

██████████ VAINODE HARDENED IRBM LAUNCH SITE 5628N 02150E
SITE IS STILL IN AN EARLY STAGE OF CONSTRUCTION.
CENTRAL EXCAVATION FOR CONTROL BUNKER AND 2 LAUNCH
SILO EXCAVATIONS VISIBLE.
A NEW SMALL EXCAVATION NOT PRESENT IN ██████████ IS

25X1D

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LOCATED APPROXIMATELY 1,800 FT NE OF THE LAUNCH SITE. THIS NEW EXCAVATION IS SERVED BY A PREVIOUSLY EXISTING ROAD LEADING FROM THE ADMINISTRATION/SUPPORT FACILITY.

(SEE ATTACHMENT 9)

25X1D

25X1A

RAMOYE IRBM LAUNCH SITE 6426N 03418E

NO APPARENT CHANGE SINCE MISSION [REDACTED]
NO NEW SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF
RAMOYE IRBM LAUNCH SITE.

25X1D

25X1D

25X1A

ZHURAVKA IRBM LAUNCH SITE 5436N 07640E

NO NEW SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS
WITHIN A 25-NM RADIUS OF ZHURAVKA IRBM LAUNCH SITE.
LAUNCH SITE COMPLETED. NO CONSTRUCTION NOTED.

25X1D

25X1A

SARY SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

FACILITIES AT THE TEST CENTER ARE OBSERVED ON
FAIR-TO-GOOD QUALITY PHOTOGRAPHY [REDACTED]
EXCEPT FOR INSTRUMENTATION SITES 6, 7, 9, AND 10.

25X1D

LAUNCH COMPLEX A -- NO SIGNIFICANT CHANGE IN
FACILITIES OR IN DEGREE OF ACTIVITY (AS OBSERVED
THROUGH HAZE AND CLOUD SHADOW) SINCE MISSION [REDACTED]

25X1D

25X1D

LAUNCH COMPLEX B -- IDENTIFICATION ONLY OF FACILITIES
A AND B AND THE 3 RECENTLY CONSTRUCTED BUILDINGS.

HEN HOUSE ANTENNA AND HEN ROOST ANTENNAS -- NO
SIGNIFICANT CHANGE EXCEPT THAT THE SLIM, DARK PATTERN
OBSERVED ON THE FACE OF THE HEN HOUSE ANTENNA ON
MISSION [REDACTED] IS NO LONGER APPARENT. NO SIGNIFICANT
CHANGE IN THE TWO PLUS CONFIGURATIONS NOTED BETWEEN
THE HEN HOUSE ANTENNA AND THE RANGE CONTROL BUILDING
ON MISSION [REDACTED]

25X1D

25X1D

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25X1D PRIMARY AIRFIELD -- NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]

25X1D PREPARED EARTH AIRSTRIP -- GRADING HAS CONTINUED OVER THE ENTIRE AIRSTRIP SINCE MISSION [REDACTED] (LAST COMPLETE COVERAGE).

25X1D MAIN SUPPORT BASE -- NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]

25X1D INSTRUMENTATION SITES 4, 11, AND 12 CAN BE IDENTIFIED ONLY. NO SIGNIFICANT CHANGE OBSERVED AT INSTRUMENTATION SITES 1, 2, 3, 5, 8, AND POSSIBLE SITE 14. OF THE 3 RECENTLY CONSTRUCTED BUILDINGS AT POSSIBLE SITE 13, NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] IS NOTED AT THE 2 SMALLER BUILDINGS BUT ADDITIONAL ROOF ACTIVITY IS OBSERVED AT THE LARGE BUILDING. EARTH SCARRING EVIDENT NORTH OF THESE 3 BUILDINGS ON MISSION [REDACTED] CONTINUES.

25X1D SAM TRAINING CENTER 35 NM SSW -- IDENTIFICATION ONLY THROUGH HEAVY CLOUDS.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS AS FOLLOWS --

LAUNCH COMPLEX A [REDACTED] 25X1D

LAUNCH COMPLEX B [REDACTED] 25X1D

HEN HOUSE ANTENNA [REDACTED] 25X1D

25X1D INSTRUMENTATION SITE 13 [REDACTED] 25X1D

25X1D INSTRUMENTATION SITE 2 [REDACTED] 25X1D

25X1D PREPARED EARTH AIRSTRIP [REDACTED] 25X1D

SAM TRAINING CENTER [REDACTED] 25X1D

25X1D [REDACTED] 25X1A [REDACTED]

[REDACTED] KAMCHATKA PENINSULA, SUSPECT ABM AREA 5600N 16000E

25X1D NO NEW RADARS, LAUNCH SITES OR RANGE INSTRUMENTATION
25X1D VISIBLE IN CLOUD-FREE PORTIONS OF SEARCH AREA FROM
56-00N TO 059-00N. AREA IS APPROXIMATELY 50 TO 75
PERCENT CLOUD-COVERED ON PASS [REDACTED] IDENTIFICATION
ONLY ON PASS [REDACTED]
NO SIGNIFICANT CHANGES AT THE INSTRUMENTATION SITES NE

TOP SECRET CRESS RUFF

NPIC/R-164/63

OF YELOVKA SINCE MISSION

25X1D

25X1D

25X1A

ZAKOPYTYE, SUSPECT SSM AREA 5225N 03130E

NO MRBM/IRBM ACTIVITY NOTED IN CLOUD-FREE PORTION OF
SEARCH AREA.

25X1D

25X2

25X1A

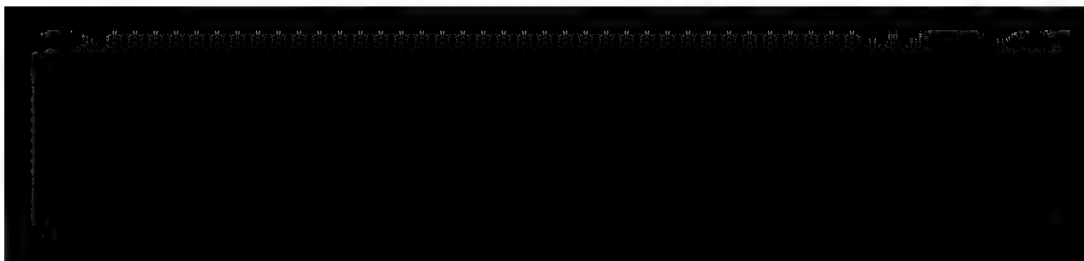
25X1D

TOP SECRET CRESS RUFF

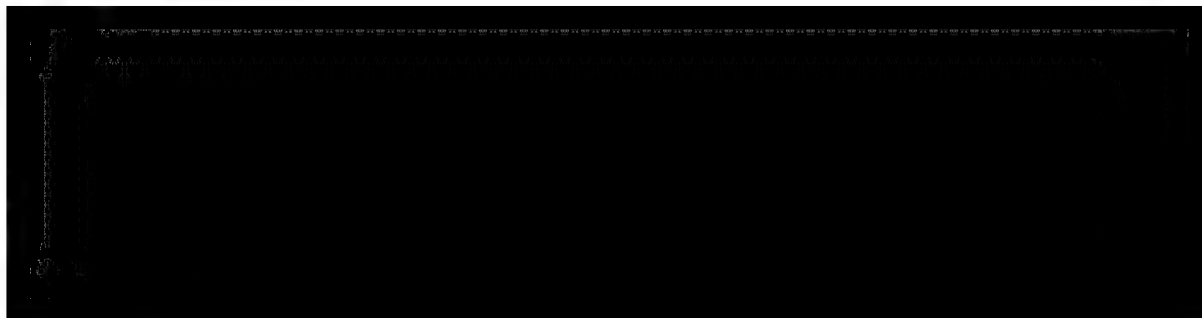
~~TOP SECRET CRESS RUFF~~

NPIC/R-164/63

25X1D



25X2

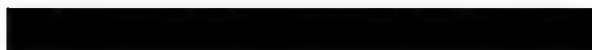


25X1A

██████████ MYS SHMIDTA, SUSPECT ABM AREA 6853N 17924W

NORTHERN HALF OF SEARCH AREA IS CLOUD-COVERED. NO
HEN HOUSE, HEN EGG, OR OTHER SARY SHAGAN-TYPE RADARS
VISIBLE IN CLEAR PORTIONS OF SEARCH AREA.

25X1D



25X1D



~~TOP SECRET CRESS RUFF~~

~~TOP SECRET CROSS REF~~

NPIC/R-164/63

25X1D

25X1A [REDACTED] PORKHOV, EARLY-WARNING RADAR SITE 5744N 02940E
NO APPARENT CHANGE SINCE MISSION [REDACTED] 25X1D

25X1D [REDACTED]

25X1A [REDACTED] VYBORG, EARLY WARNING RADAR SITE 6043N 02834E
NO APPARENT CHANGE SINCE MISSION [REDACTED] 25X1D
SITE APPEARS COMPLETED.

25X1D [REDACTED]

25X1A [REDACTED] SORTAVALA, EARLY WARNING RADAR SITE 6153N 03029E
SITE CONSISTS OF RADAR FACILITIES, CONTROL BUNKER
AND SUPPORT FACILITIES.
GROUND SCARS IN RADAR FACILITY AREA INDICATE
CONSTRUCTION IS CONTINUING.

25X1D [REDACTED]

25X1A [REDACTED] KALIDJATI AIRFIELD (INDONESIA) 0633S 10740E
IDENTIFICATION ONLY.

25X1D [REDACTED]

25X1A [REDACTED] DAHSHUR SAM TRAINING AREA (EGYPT) 2948N 03111E
INSTALLATION CAN NOW BE CONFIRMED AS A TRAINING AREA.
THE FOUR BUILDING AREAS REMAIN UNCHANGED SINCE
MISSION [REDACTED]

25X1D

~~TOP SECRET CROSS REF~~

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25X1D FIRST AREA CONTAINS 2 UNREVIEWED SA-2 SAM SITES.
THE GUIDANCE AREA FOR A THIRD SA-2 SAM SITE REMAINS,
BUT NO FURTHER CONSTRUCTION HAS TAKEN PLACE SINCE
MISSION [REDACTED]

25X1D THE NEWLY COMPLETED ROAD SOUTH OF THE TRAINING AREA
(REPORTED ON MISSION [REDACTED]) LEADS TO A
SUPPORT AREA FOR AN OPERATIONALLY DEPLOYED SAM SITE
IN AN EARLY STAGE OF CONSTRUCTION.
NO MISSILES, VEHICLES OR EQUIPMENT ARE DISCERNIBLE.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] ASTRA KSETRA, POSSIBLE SAM AREA (INDONESIA) 0430S 10515E

NO SAM ACTIVITY OBSERVED.
PHOTOGRAPHIC COVERAGE IS INCOMPLETE.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] AL MANZILAH, SUSPECT SAM AREA (EGYPT) 3108N 03156E

NO EVIDENCE OF SAM SITES OR MILITARY CONSTRUCTION
OR DEFENSE ACTIVITY OBSERVED WITHIN A 25-NM RADIUS
OF AL MANZILAH.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] AL ISMAILIYAH, SUSPECT SAM AREA (EGYPT) 3035N 03216E

NO EVIDENCE OF SAM OR OTHER CONSTRUCTION ACTIVITY IN
CLOUD-FREE PORTIONS FROM AL ISMAILIYAH TO 25 NM SOUTH
OF THE CITY.

AREA IS APPROXIMATELY 30 PERCENT CLOUD-COVERED.

25X1D [REDACTED]

25X1A [REDACTED]

[REDACTED] AL ISKANDARIYAH SAM SITE (EGYPT) 3118N 03003E

CONSTRUCTION STATUS UNDETERMINED.

25X1D [REDACTED]

NPIC/R-164/63

25X1A

AIRFIELDS

██████████ BARANOVICHI AIRFIELD 5306N 02603E

FURTHER STUDY OF THIS AIRFIELD SHOWS THE AIRCRAFT
COUNT FOR THIS AIRFIELD AS REPORTED IN NPIC/R-163,
OAK PART I, SHOULD BE CHANGED TO READ --
24 BADGER, 6 BLINDER AND NUMEROUS SMALL UNIDENTIFIED
AIRCRAFT.

25X2



TOP SECRET GUESS BLISS

25X2

NPIC/R-164/63



25X1A

NAVAL ACTIVITY

 KRONSTADT NAVAL BASE AND SHIPYARD 5959N 02947E

VESSELS -- 5 MEDIUM SUBMARINES, 3 SMALL SUBMARINES,
ONE PROBABLE MEDIUM SUBMARINE, AND ONE POSSIBLE SMALL
SUBMARINE. ONE LIGHT CRUISER, 4 DESTROYERS AND
NUMEROUS SMALLER UNIDENTIFIED VESSELS BERTHED IN PORT.

25X1D



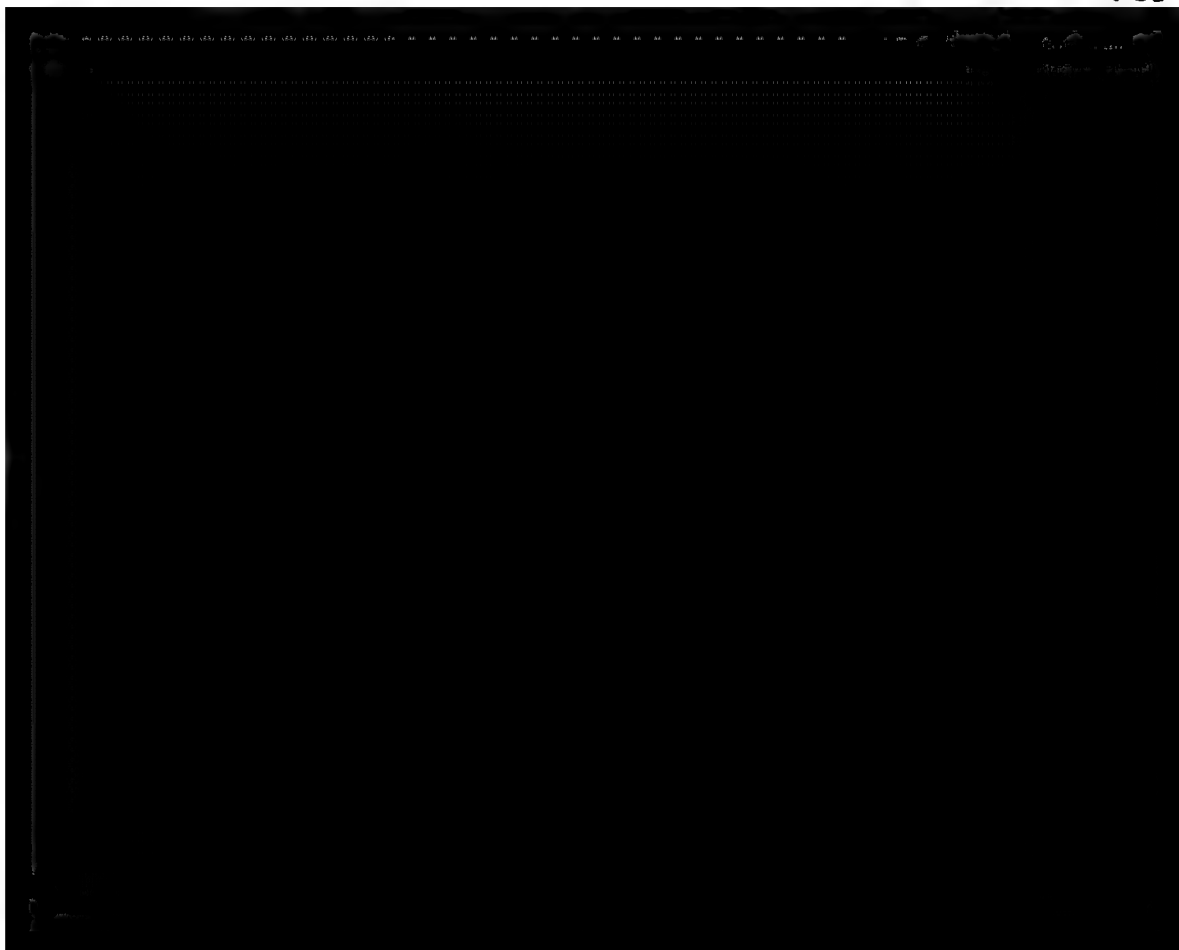
25X2



TOP SECRET GUESS BLISS

~~TOP SECRET CRESS RUFF~~

NPIC/R-164/63



25X2

25X1A

MILITARY ACTIVITY

LU-PIN, MILITARY ACTIVITY (CHINA) 4935N 11726E

AIRFIELD IS CLOUD-COVERED.

AREA ONE, 6 NM NW OF LU-PIN AT 49-38N 117-19E, CONTAINS 35 BARRACKS-TYPE BUILDINGS, ONE LARGE U-SHAPED BUILDING AND 3 LARGE BARRACK/ADMINISTRATIVE/SUPPORT BUILDINGS. CLOUDS AND HAZE PRECLUDE FURTHER INTERPRETATION.

AREA 2, NE EDGE OF LU-PIN AT 49-35N 117-27E, CONTAINS 8 PROBABLE CIRCULAR STORAGE TANKS, ONE POSSIBLE UNDERGROUND BUNKER IN SECURED AREA, AND 56 POSSIBLE BARRACKS BUILDINGS. CLOUDS AND HAZE PRECLUDE FURTHER COUNT.

AREA 3, 8 NM SOUTH OF LU-PIN AT 49-27N 117-26E, CONTAINS 3 LARGE ADMINISTRATIVE/SUPPORT BUILDINGS AND

~~TOP SECRET CRESS RUFF~~

NPIC/R-164/63

14 POSSIBLE BARRACKS BUILDINGS.

AREA 4, UNIDENTIFIED SECURED INSTALLATION APPROXIMATELY 5 NM SE OF LU-PIN AT 49-32N 117-33E CONSISTS OF 6 SMALL CIRCULAR GROUND SCARS ARRANGED IN SEMICIRCLE AROUND ADDITIONAL SMALL CIRCULAR GROUND SCAR. HEAVY TRACK ACTIVITY OBSERVED IN AREA.

SINO-SOVIET BORDER APPEARS TO BE DELINEATED BY GROUND SCARRING.

25X1D
25X1A

HSI-NING TO LHASA ROAD (CHINA) 3637N 10155E

PORTIONS OF ROAD OBSERVED FROM KA-ERH-MU TO APPROXIMATELY 36-50N 093-45E APPEAR SERVICEABLE. NO MILITARY EQUIPMENT OBSERVED ALONG THE ROAD. NO NEW CONSTRUCTION OBSERVED. PHOTOGRAPHY IS OF GOOD QUALITY IN CLOUD-FREE PORTIONS BUT APPROXIMATELY 80 PERCENT CLOUD-COVERED IN TARGET AREA.

25X1D
25X1A

CHENG-TU TO LHASA ROAD (CHINA) 3040N 10404E

ROAD OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS FROM LHASA EASTWARD TO SHANGGANG (29-46N 091-58E). HEAVY CLOUD COVER IN APPROXIMATELY 90 PERCENT OF THE TARGET AREA PRECLUDES A DETAILED ANALYSIS OF THE ROAD ALIGNMENT. PHOTOGRAPHY IS GOOD IN CLOUD-FREE AREAS. NO NEW CONSTRUCTION OR MILITARY EQUIPMENT OBSERVED ON THE ROAD.

25X1D
25X1A

HUNG-LIU-YUAN TO LHASA ROAD (CHINA) 4102N 09532E

ROAD OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS FROM LHASA EASTWARD TO SHANGGANG (29-46N 091-58E). ROAD APPEARS SERVICEABLE. NO MILITARY EQUIPMENT OBSERVED ON THE ROAD.

25X1D

ROAD OBSERVED ON GOOD QUALITY PHOTOGRAPHY

TOP SECRET CRESS RUFF

NPIC/R-164/63

SOUTHWARD FROM KUAN-TI-MIAO (41-48N 095-10E) TO AN-HSI, SW TO TUN-HUANG, SOUTH TO PA-KA-NA-LIN (38-54N 094-25E), SSE TO TA-PIN-I-LI-SU (37-38N 095-16E), SOUTH TO CHA-HAM-TO-HAI (35-55N 095-00E), WEST TO A-MU-TENG (95-50N 094-16E), THEN SW TO 35-09N 093-30E. ROAD APPEARS SERVICEABLE. NO NEW CONSTRUCTION OBSERVED.

25X1D



25X1A

COMPLEXES



POLOTSK PETROLEUM REFINERY 5531N 02833E

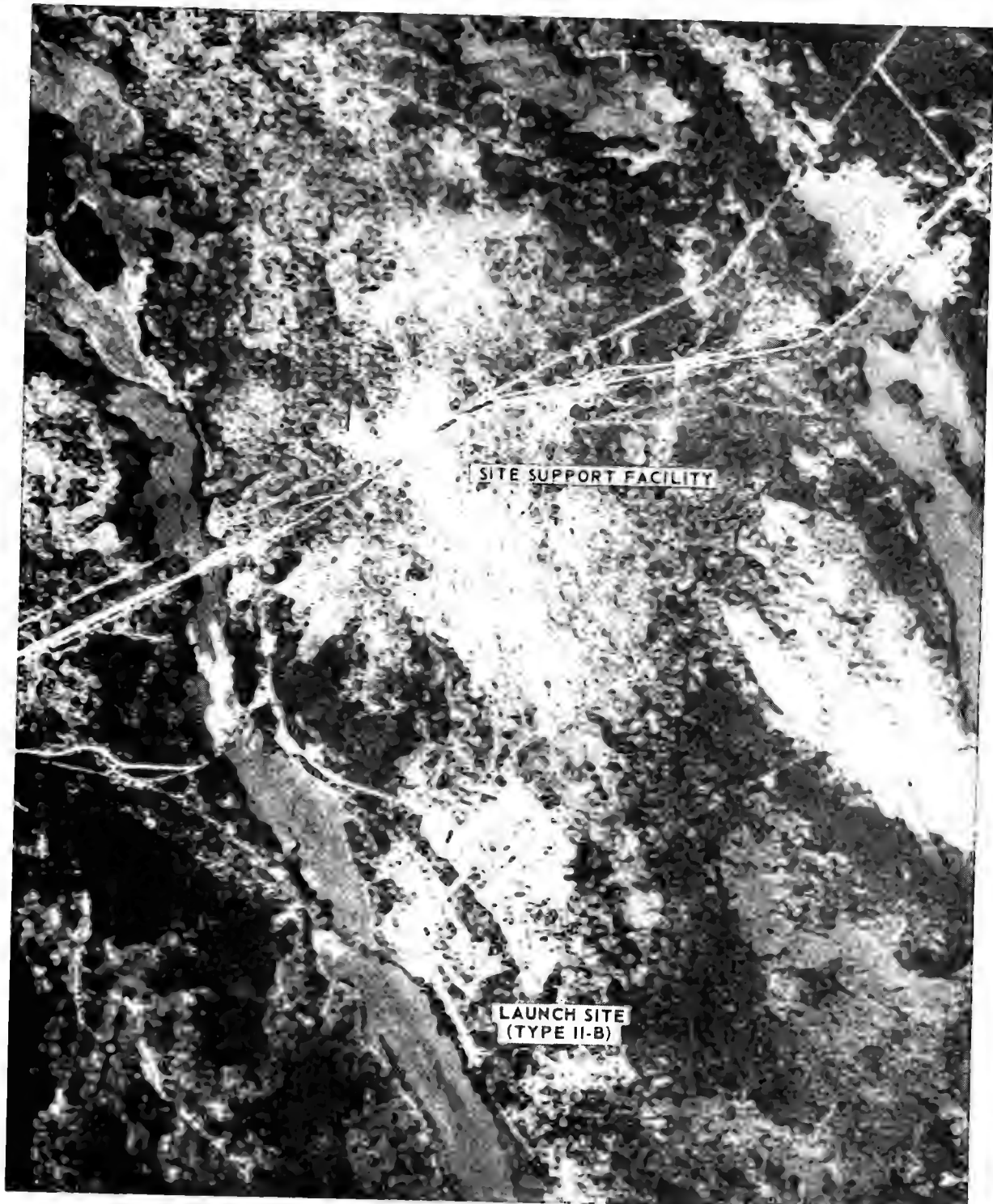
REFINERY, ABOUT 2 SQ MI IN AREA, CONTAINS 14 LARGE AND 65 SMALL TANKS AND AT LEAST 35 LARGE BUILDINGS. IT IS SERVED BY AT LEAST 10 RAIL SPURS. CONSTRUCTION APPARENTLY CONTINUES. HAZE PRECLUDES FURTHER INTERPRETATION.

25X1D



TOP SECRET CRESS RUFF

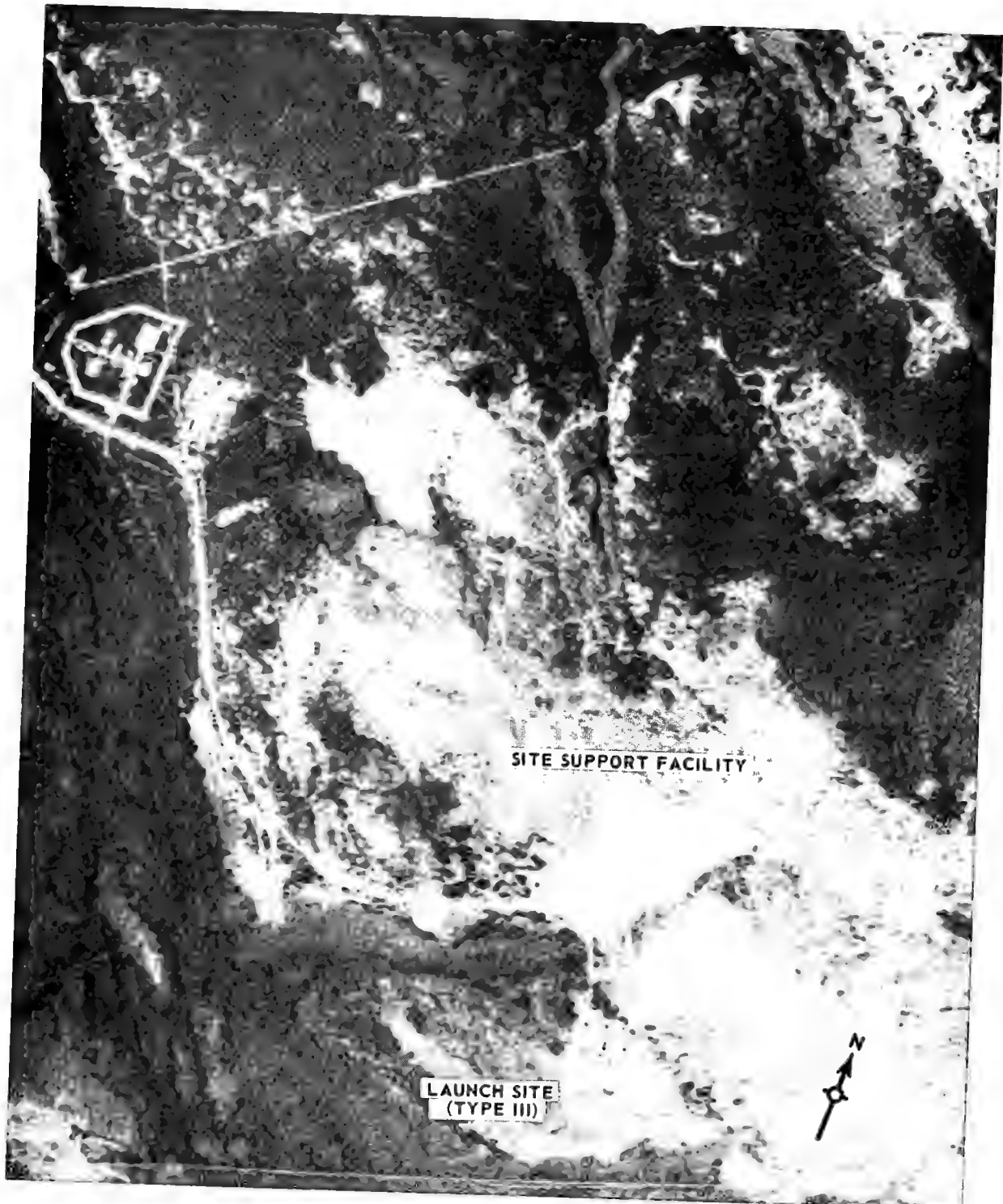
NPIC/R-164/63
ATTACHMENT I



LAUNCH AREA A, ICBM LAUNCH COMPLEX, DROVYANAYA, USSR

NPIC H-3808 (7/63)

NPIC/R-164/63
ATTACHMENT 2



LAUNCH AREA B, ICBM LAUNCH COMPLEX, DROVYANAYA, USSR

NPIC H-3809 (7/63)

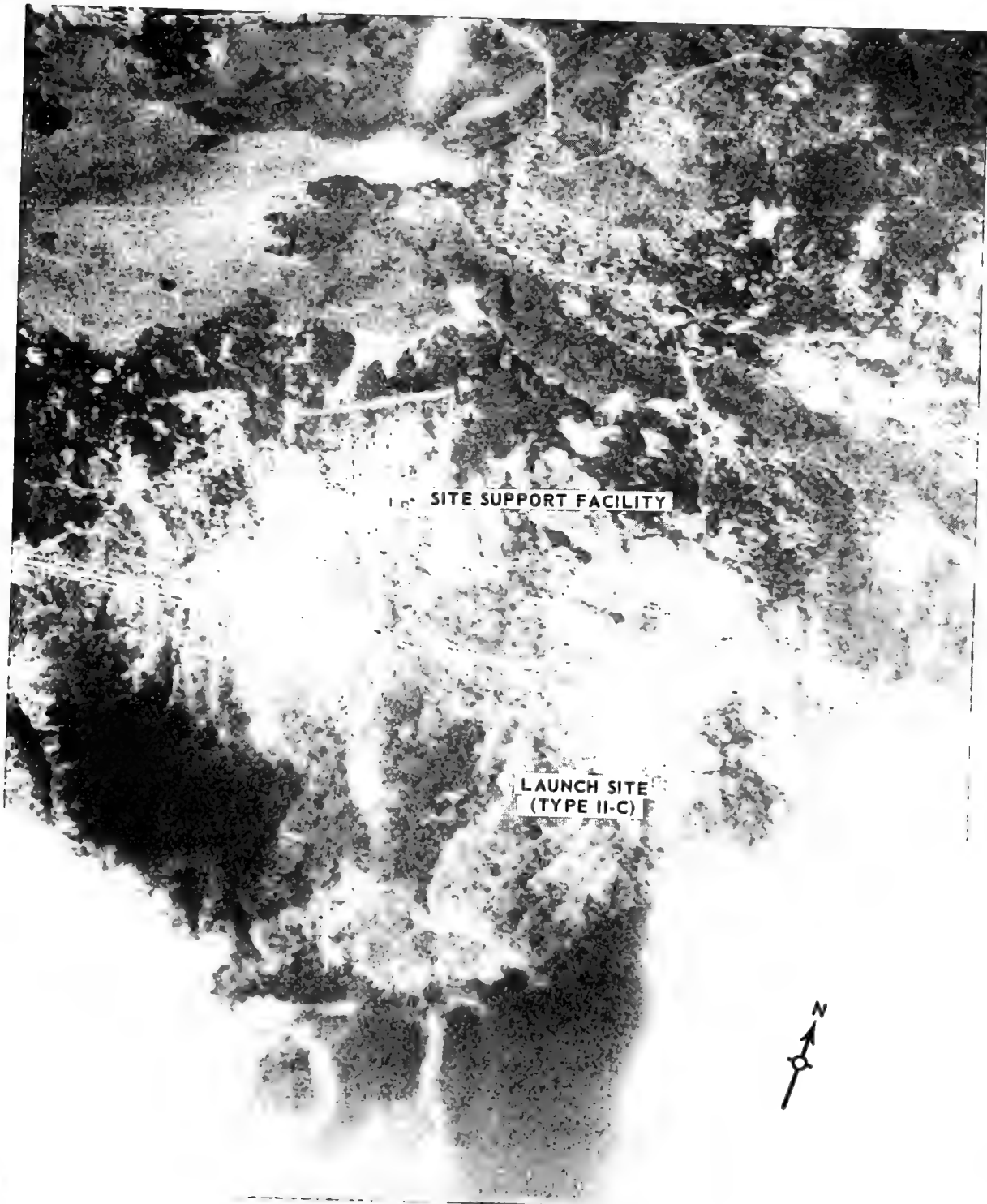
NPIC/R-164/63
ATTACHMENT 3



LAUNCH AREA C, ICBM LAUNCH COMPLEX, DROVYANAYA, USSR

NPIC M-3810 (7/63)

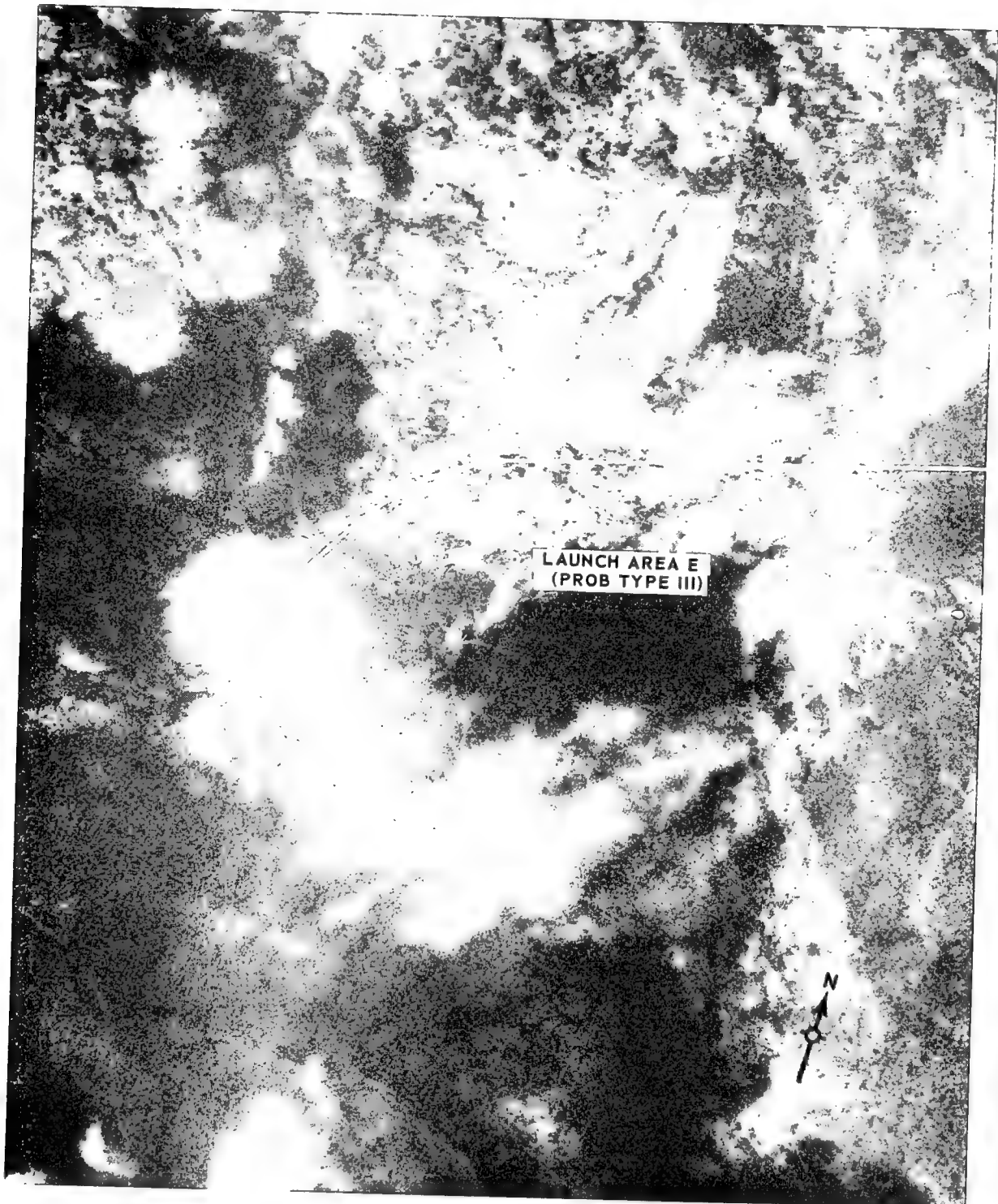
NPIC/R-164/63
ATTACHMENT 4



LAUNCH AREA D, ICBM LAUNCH COMPLEX, DROVYANAYA, USSR

NPIC M-9811 (7/63)

NPIC/R-164/63
ATTACHMENT 5



LAUNCH AREA E, ICBM LAUNCH COMPLEX, DROVYANAYA, USSR

NPIC H-3812 (7/63)



NPIC H-5813 (7/63)

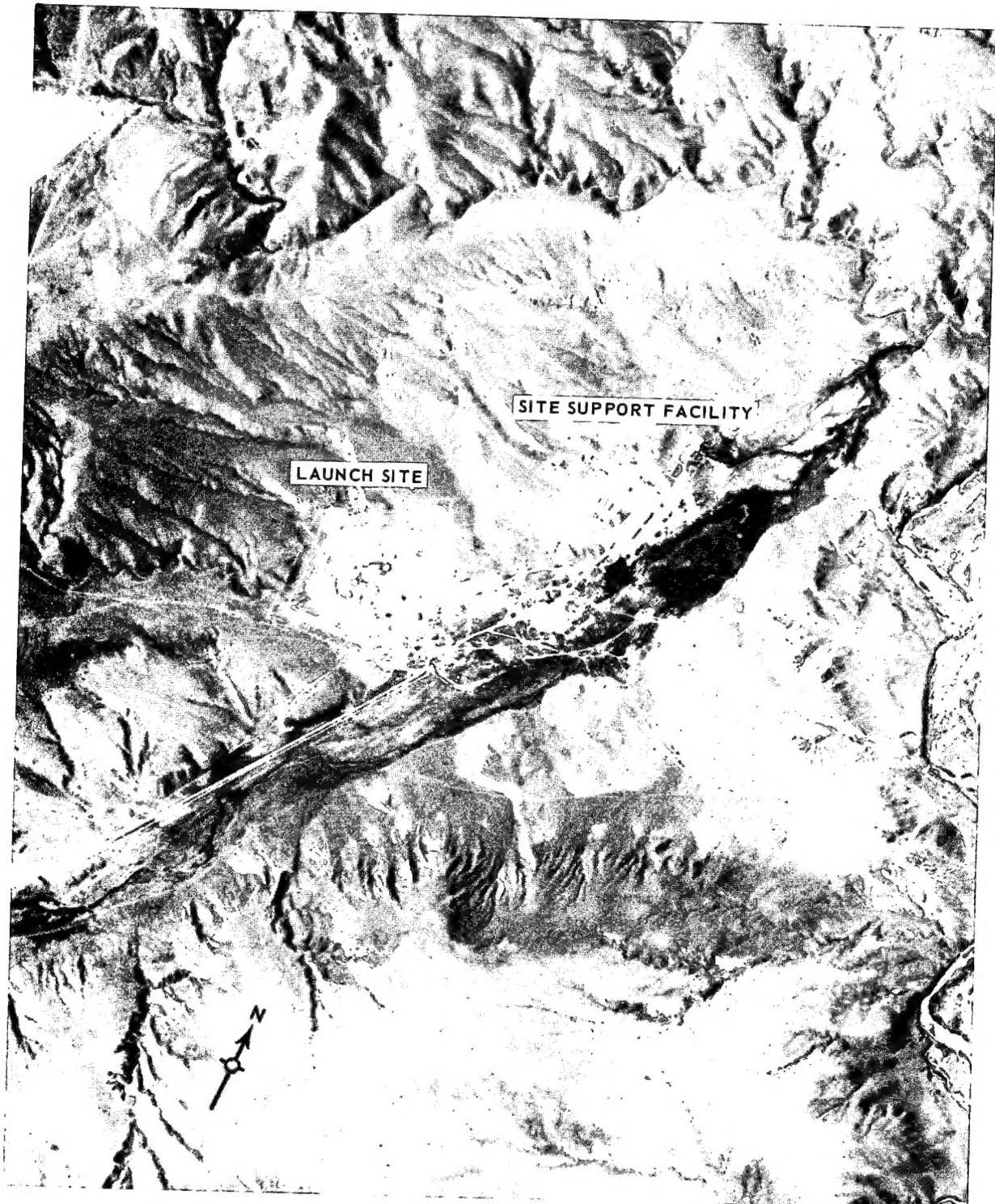
LAUNCH AREA 1 (KARA-BABAU 1), IRBM LAUNCH COMPLEX, SARY-OZEK, USSR

NPIC/R-164/63
ATTACHMENT 6

TOP SECRET CHESS RUFF

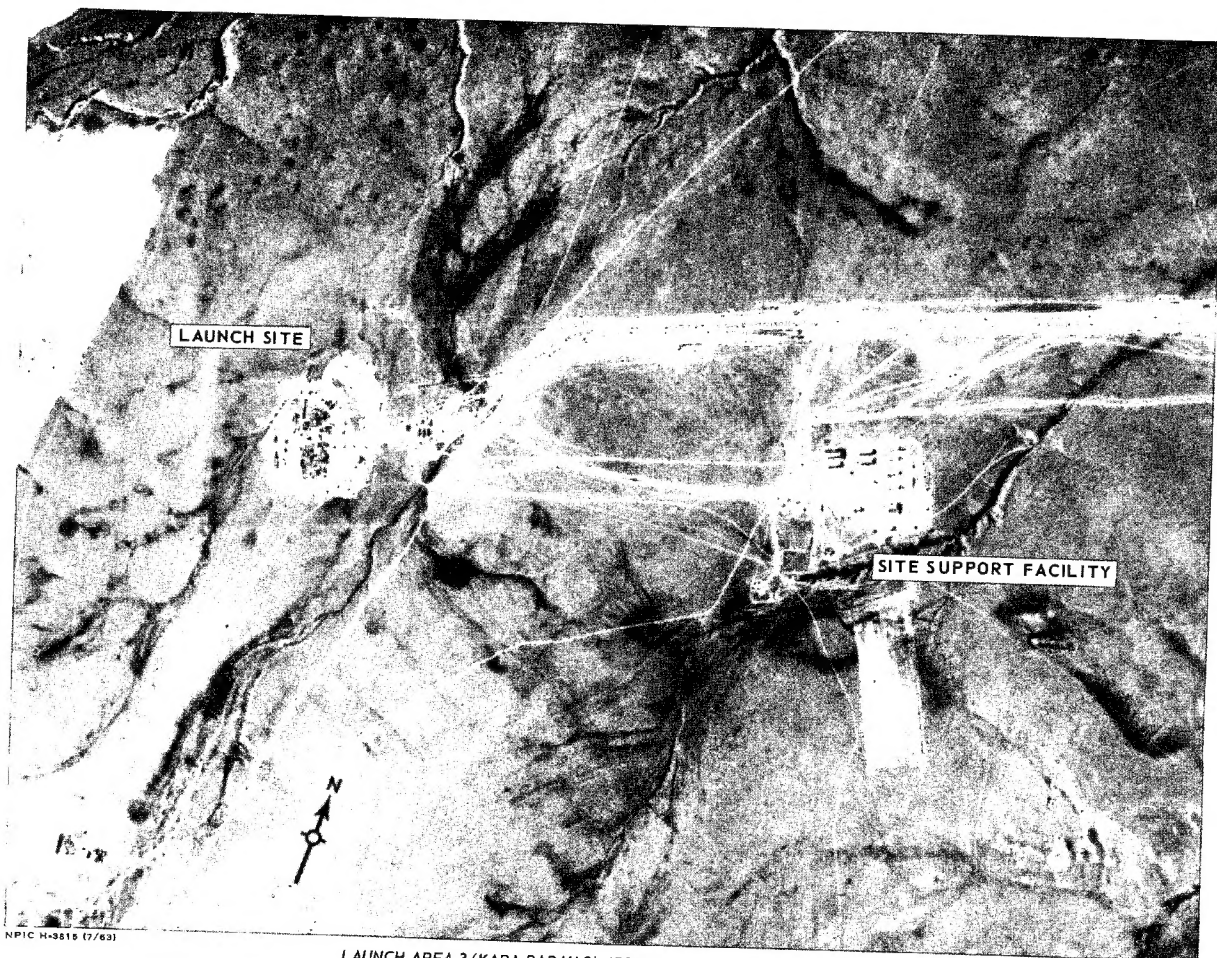
TOP SECRET CHESS RUFF

NPIC/R-164/63
ATTACHMENT 7



LAUNCH AREA 2 (KARA-BABAU 2), IRBM LAUNCH COMPLEX, SARY-OZEK, USSR

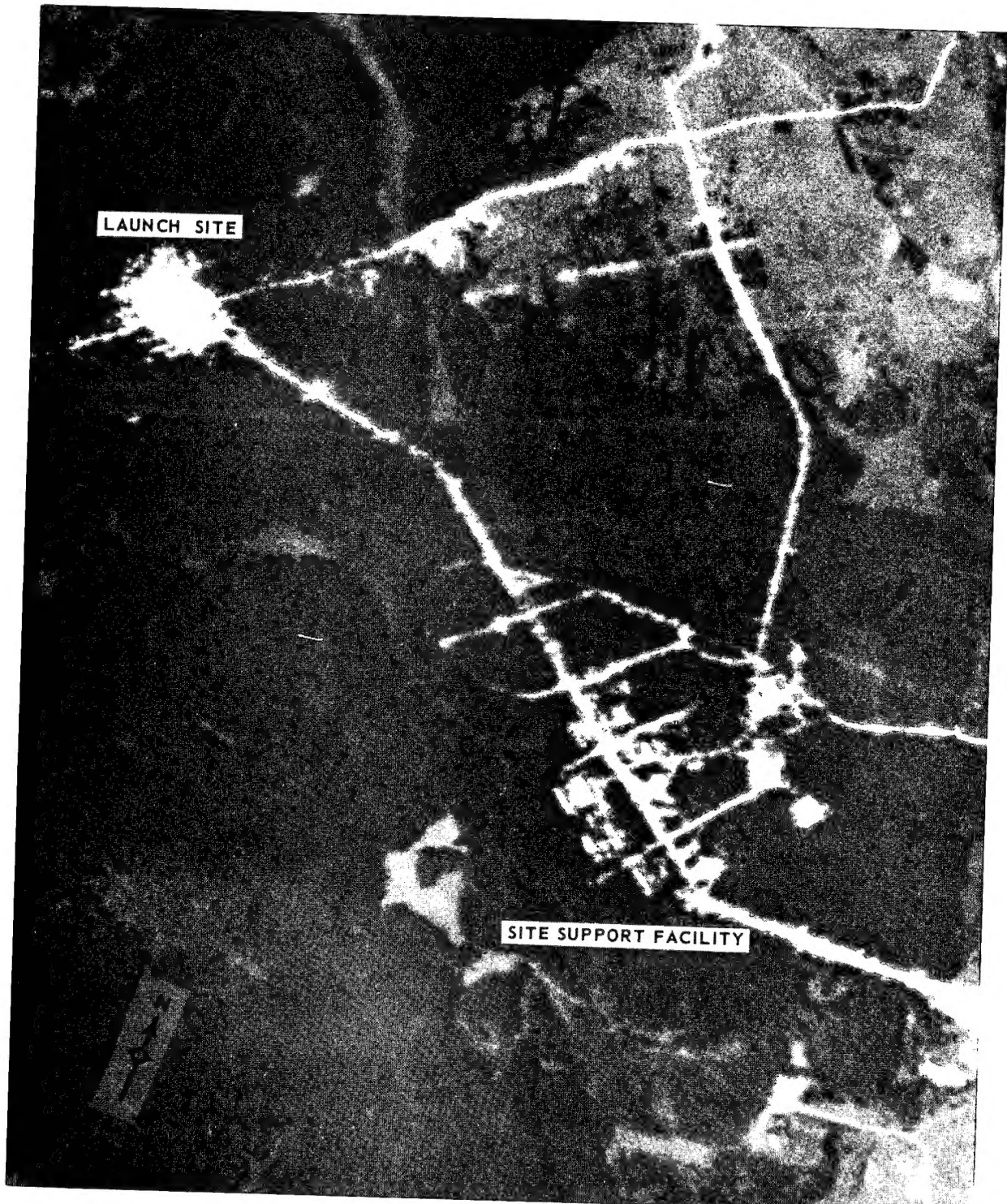
NPIC H-3814 (7/63)



LAUNCH AREA 3 (KARA-BABAU 3), IRBM LAUNCH COMPLEX, SARY-OZEK, USSR

NPIC/R-164/63
ATTACHMENT 8

NPIC/R-164/63
ATTACHMENT 9



VAINODE HARDENED IRBM LAUNCH SITE

NPIC H-3816 (7/63)

25X1D